

# FUDS MMRP SI Program

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US Army Corps of Engineers  
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# Topics

- Program Objectives
- FUDS MMRP SI Process
- Program Status
- FUDS MMRP Project vs. Munitions Response Site (MRS)
- SI Report Recommendations by MRS
- Initial MRSPP Results
- Program Summary and Challenges





# Program Objectives

- USACE initiated the FUDS Nationwide MMRP SI Program in FY05
- Program Objectives
  - ▶ Collect appropriate information necessary to:
    - Eliminate from further consideration those releases that pose no significant threat to public health or the environment
    - Determine potential need for removal action
    - Collect or develop additional data, appropriate for Hazard Ranking System (HRS) scoring by EPA; and
    - Collect data, as appropriate, to characterize release for effective and rapid initiation of remedial investigation and feasibility study (RI/FS)
  - ▶ Collect data to complete the Munitions Response Site Prioritization Protocol (MRSPP)





# FUDS MMRP SI Process

- 1<sup>st</sup> Technical Project Planning (TPP) Meeting
  - ▶ Stakeholders Invited (regulators, landowners, etc.)
  - ▶ TPP Memorandum
- Site Specific Workplan
- Fieldwork
  - ▶ Qualitative Reconnaissance (QR) & Sampling
- 2<sup>nd</sup> TPP Meeting
  - ▶ Stakeholders Invited
  - ▶ Discuss Draft Final SI Report and MRSPP Score
- Final SI Report





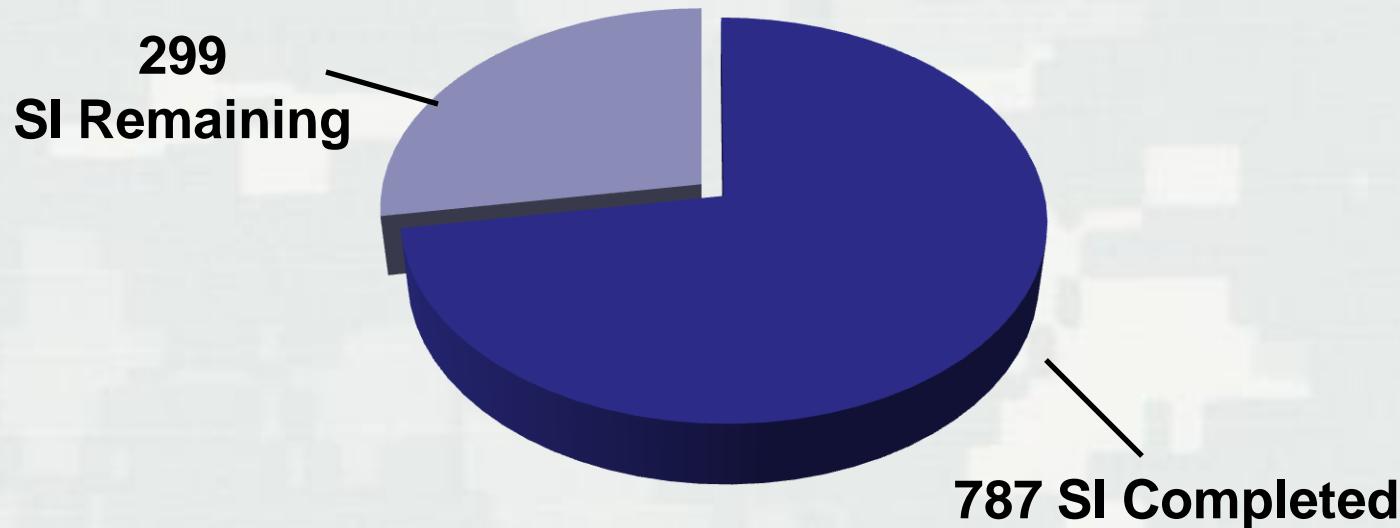
# FUDS MMRP SI Program

## FUDS MMRP Program

FY09 Annual Report to Congress (ARC)

Properties with MMRP Projects	1452
Total MMRP Projects	1612
Response Complete	561

## FUDS MMRP SI Program (1086)



# MMRP SI Program Status by State

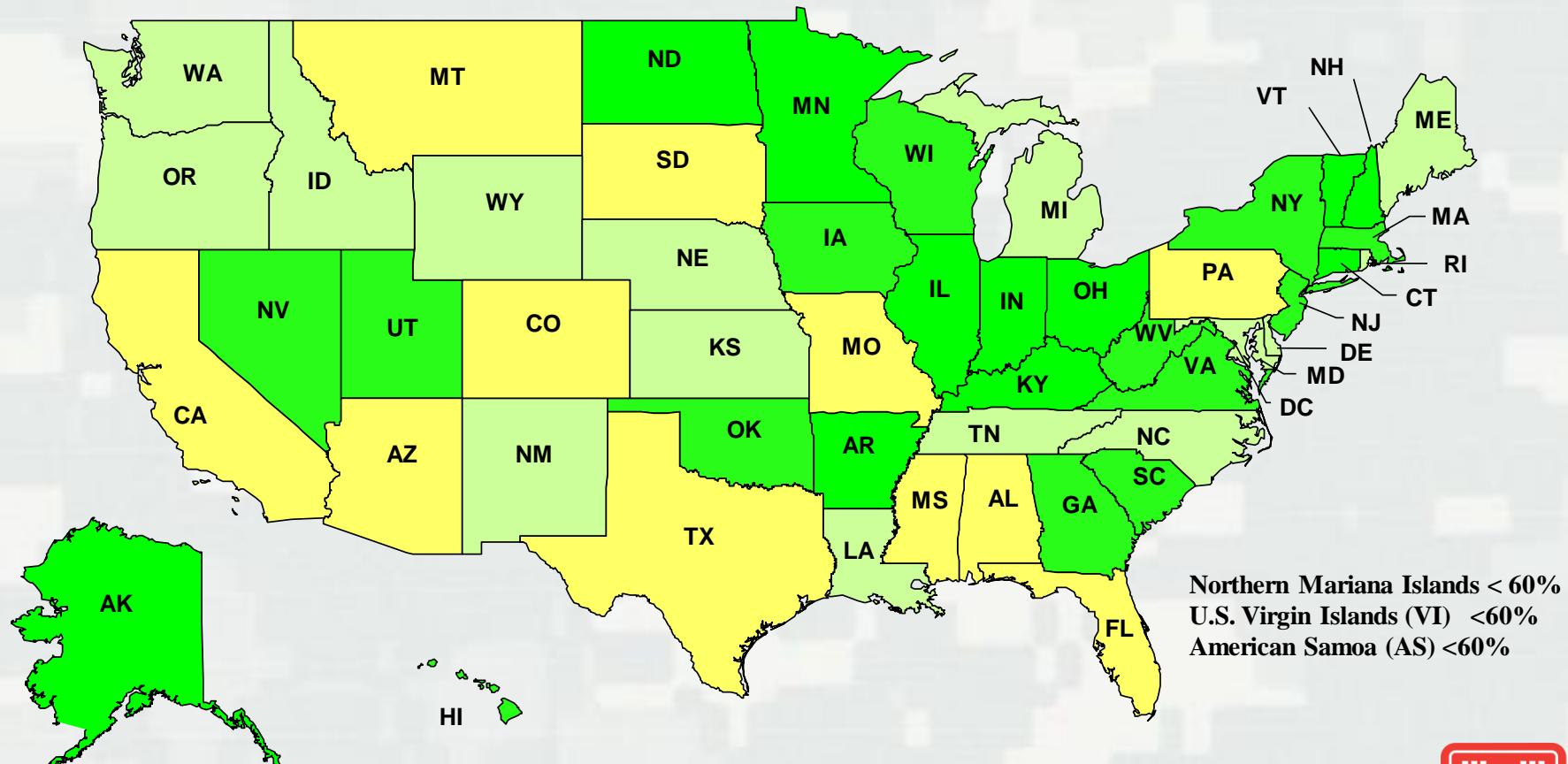
(787/1086 = 72% Complete)



**% Completed:** Dark Green > 90%

## **Light Green 80% - 89 %**

## **Yellow 60% - 79%**



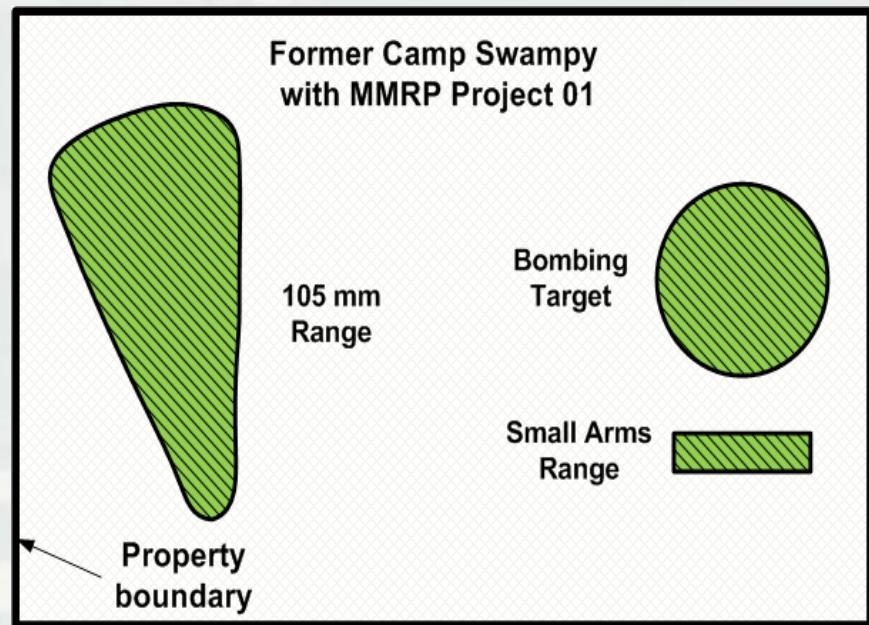
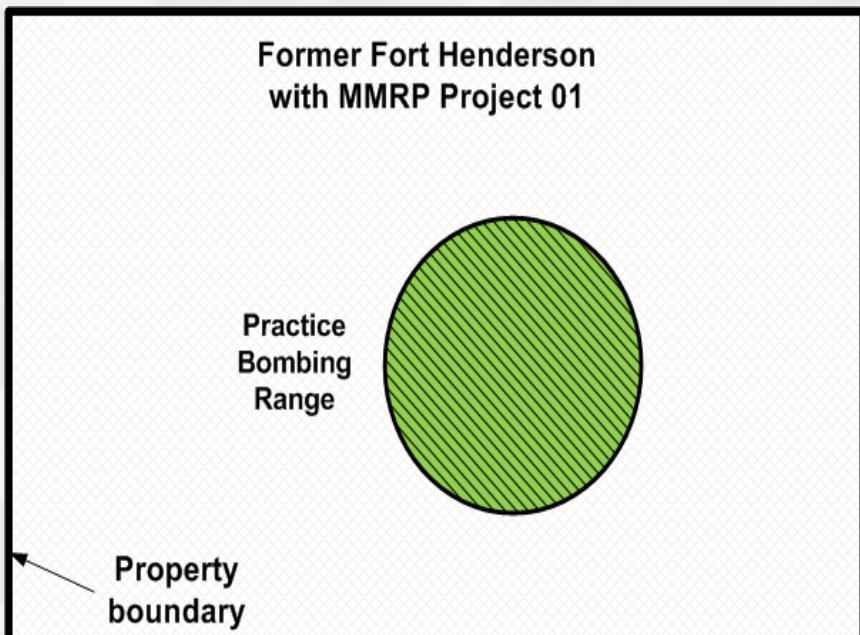
**Northern Mariana Islands < 60%**  
**U.S. Virgin Islands (VI) <60%**  
**American Samoa (AS) <60%**

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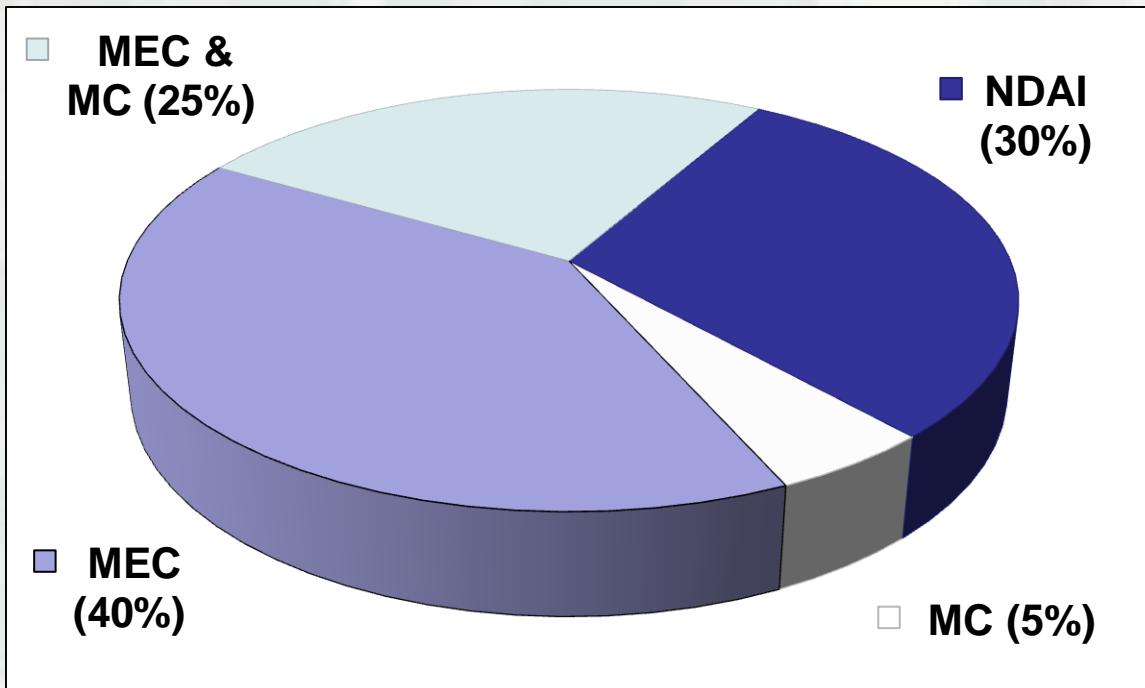
# FUDS MMRP Project vs. MRS

- Each project includes an average of ~2.0 Munitions Response Sites (MRS)



# MMRP SI Report Recommendations

for 1175 Munitions Response Sites (MRS)



SI Report MRS Results	
NDAI	30%
Post SI Action for MC	5%
Post SI Action for MEC & MC	25%
Post SI Action for MEC	40%





# MRSPP

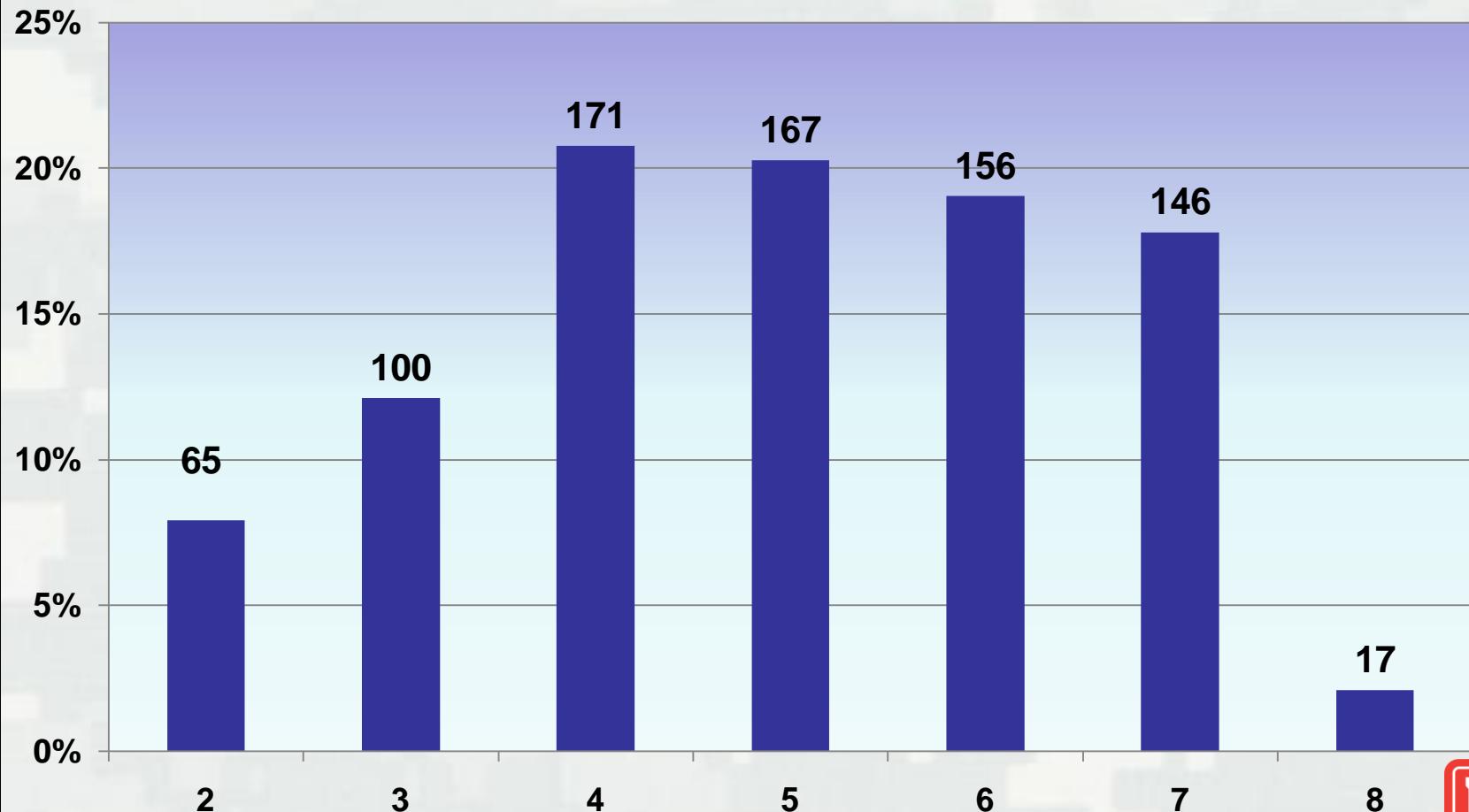
- Final Rule on 5 October 2005, codified in 32 CFR Part 179
- The Protocol is the methodology developed by the DoD to assign a relative priority (MRSPP score) to defense sites known or suspected of containing unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC).
- The Protocol provides the Components a framework to use with stakeholders to determine the relative risks posed at each MRS within its MRS Inventory.
- MRSPP score will be used to determine project sequencing (other factors also considered).



# MRSPP Results

(70% of 1175 = 822 MRS with recommendations of 'Post SI Action')  
 FUDS

## MRSPP Scores for 822 MRS\*



\*Data represented is prior to QA Panel Review.

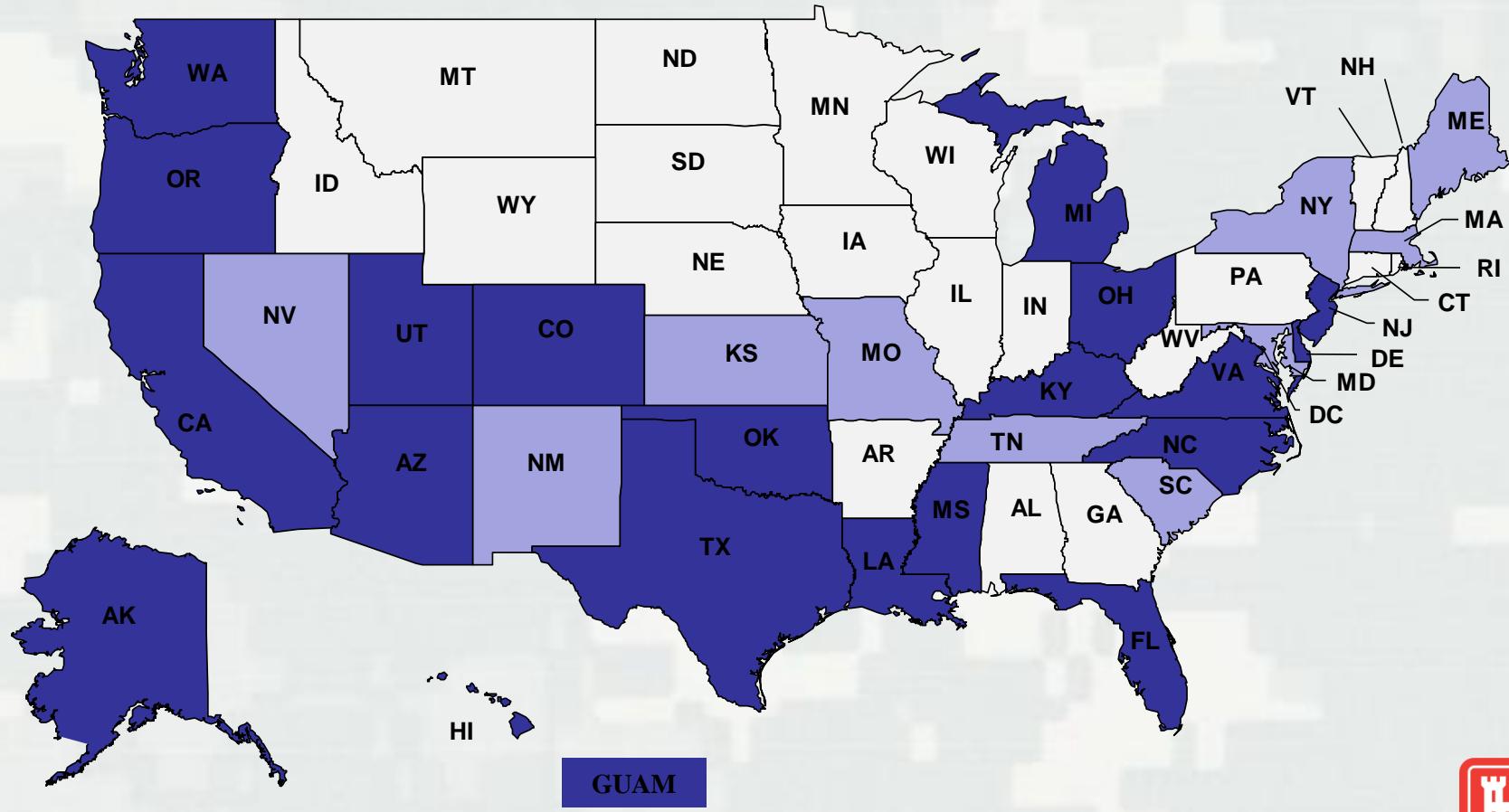
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# MRSPP by State

Dark Blue = MRSPP 2    Light Blue = MRSPP 3    Grey >= MRSPP 4



\*Data represented is prior to QA Panel Review.

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# MRSPP Score of 2 & 3 by State

STATE	MRSPP 2	MRSPP 3	TOTAL
CA	2	21	23
FL	4	13	17
AK	2	8	10
AZ	1	9	10
HI	7	3	10
OR	2	7	9
PR	3	5	8
CO	4	3	7
GM	7		7
MI	2	5	7
NJ	5	2	7
VA	7		7
MS	3	2	5
OH	5		5
MA		3	3
NC	2	1	3

STATE	MRSPP 2	MRSPP 3	TOTAL
TX	1	2	3
LA	2		2
MD		2	2
NM		2	2
NY		2	2
TN		2	2
DE	1		1
KS		1	1
KY	1		1
ME		1	1
MO		1	1
NV		1	1
OK	1		1
SC		1	1
UT	1		1
WA	1		1

\*Data represented is prior to QA Panel Review.

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# Program Summary

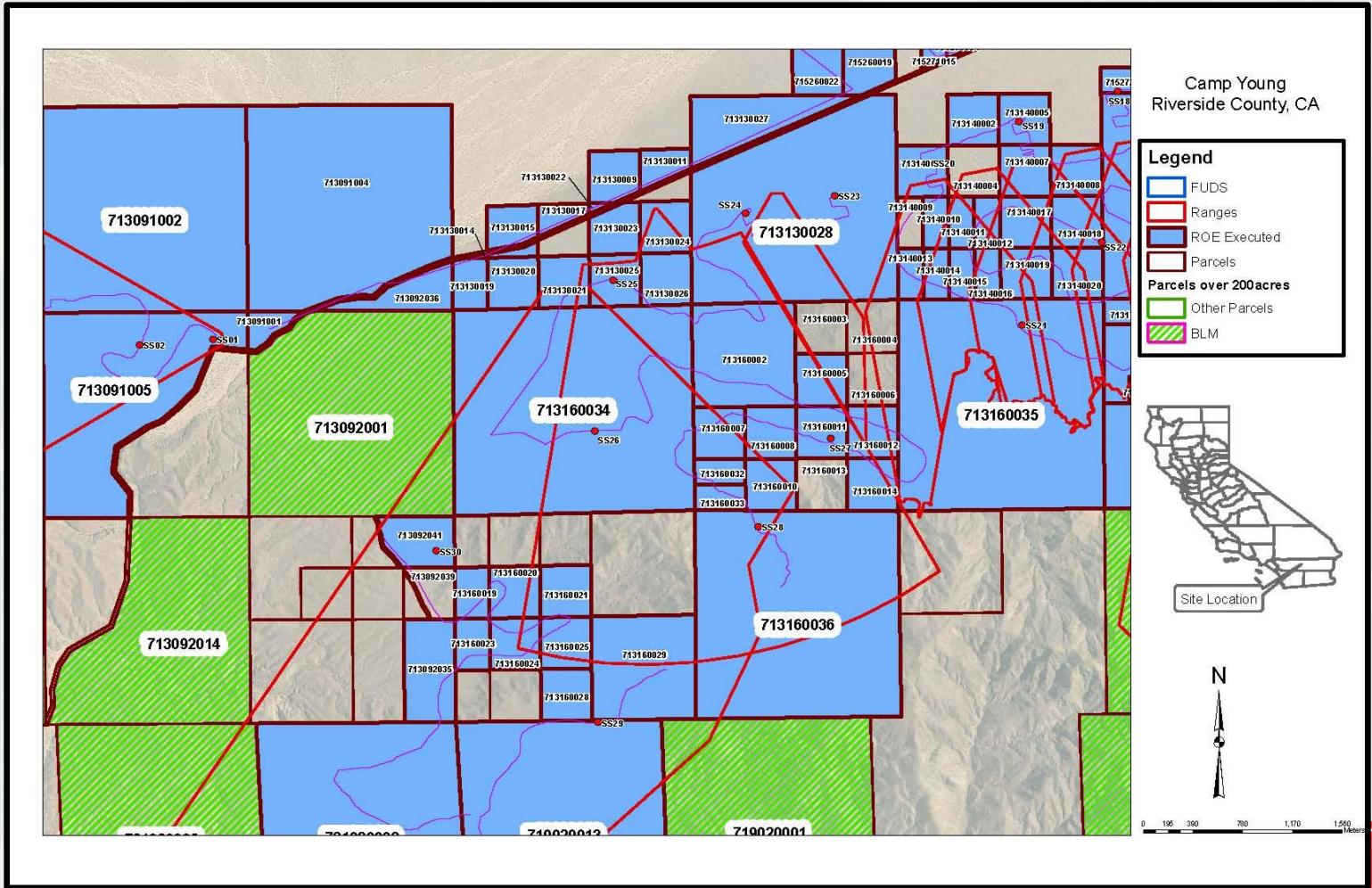
- USACE anticipates SIs for 1086 projects (765 completed by FY10)
  - ▶ Over 1800 MRSs
- Completed over 7800 miles of Qualitative Reconnaissance (QR)
  - ▶ Average 15 miles QR per project
- Taken over 8000 samples
- NDAI recommendations for ~ 30% of MRSs
- NDAI'd ~ 45% of MRS land acreage
- Funding of ~\$150 M for FY05-FY10





# Challenges

## ■ Right of Entry





# Challenges

- Natural Disasters
  - ▶ Tsunamis, Hurricanes, Earthquakes
- Oil Spills
- Drug Dealers
- Meth Labs
- Minutemen Patrols on Border
- Alligators





# FUDS MMRP SI Program

## Questions?



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